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Phillip Andrew Armstrong

(37 CFR 1.98(b))

FILING DATE
7-25-03

GROUP 1724

U.S. PATENT DOCUMENTS

EXAM- INER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CS	4	3	6	9	1	5	0	01/18/1983	Harper	261	97	
CS	5	1	3	2	0	5	5	07/21/1992	Alleaume et al.	261	97	
CS	5	2	2	4	3	5	1	07/06/1993	Jeannot et al.	62	36	
CS	5	2	4	0	6	5	2	08/31/1993	Taylor et al.	261	97	
CS	5	4	6	4	5	7	3	11/07/1995	Tokerud et al.	261	97	
CS	6	2	8	6	8	1	8	09/11/2001	Buhlmann	261	97	
CS	6	5	1	3	7	9	5	02/04/2003	Sunder	261	94	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												YES	NO
CS	0	8	7	9	6	2	6	25.11.1998	EPO	B01D	3/20		
CS	0	9	9	7	1	8	9	03.05.2000	EPO	B01J	3/02		
CS	0	1/	6	6	2	1	3	13.09.2001	WIPO	B01D	3/00	X *	
CS	0	7	8	2	8	7	7	12.09.2001	EPO	B01D	3/20		
CS	0	6	8	4	0	6	0	08.12.1999	EPO	B01D	3/20	X **	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CS		Stoter et al., "Measurement and modeling of liquid distribution in structured packings", Chem. Eng. J. (1993) 53
CS		55
		Bulletin 593 entitled "Distillation Pilot Plant Equipment" published by Distillation Engineering Company
CS		Bulletin 722 entitled "High Efficiency for: Fast Delivery, Lower Cost, More Theoretical Plates/Ft., Lower Pressure Drop, Higher Capacity, Lower Holdup, Lower Head Room" published by Distillation Engineering Company

EXAMINER

N S B S

DATE CONSIDERED

11-23-04

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* US20030090009A1 is US equivalent to WO200166213

** US5897748 is US equivalent to EP684060